NEW ZEALAND DATA SHEET
Columvi (glofitamab)

1. PRODUCT NAME
Columvi glofitamab 2.5 mg concentrate for solution for infusion.
Columvi glofitamab 10 mg concentrate for solution for infusion.

2. QUALITATIVE AND QUANTITATIVE COMPOSITION
Columvi 2.5 mg concentrated injection
Each vial of 2.5 mL contains 2.5 mg of glofitamab at a concentration of 1 mg/mL.

Columvi 10 mg concentrated injection
Each vial of 10 mL contains 10 mg of glofitamab at a concentration of 1 mg/mL.

For the full list of excipients, see section *6.1 List of excipients*.

3. PHARMACEUTICAL FORM
Concentrated injection for intravenous (IV) infusion.

Columvi is a preservative-free, colourless, clear solution supplied in single-dose vials.

4. CLINICAL PARTICULARS
4.1 THERAPEUTIC INDICATIONS
Columvi has provisional consent (see Section 5.1). Columvi as monotherapy is indicated for the treatment of adult patients with relapsed or refractory diffuse large B-cell lymphoma (DLBCL) after two or more lines of systemic therapy.

4.2 DOSE AND METHOD OF ADMINISTRATION
General

Substitution by any other biological medicinal product requires the consent of the prescribing physician.

Columvi therapy should only be administered under the supervision of a healthcare professional experienced in the treatment of cancer patients and who has access to appropriate medical support to manage severe reactions associated with cytokine release syndrome (CRS).

At least 1 dose of tocilizumab for use in the event of CRS must be available prior to Columvi infusion at Cycles 1 and 2. Access to an additional dose of tocilizumab within 8 hours of use of the previous tocilizumab dose must be ensured. See Section *4.4 Special Warnings and Precautions for Use*.

Pre-treatment with Obinutuzumab

All patients must receive a single 1000 mg dose of obinutuzumab on Cycle 1 Day 1 (7 days prior to initiation of Columvi treatment); see Table 2 and *Delayed or Missed Doses*. This is to deplete circulating and lymphoid tissue B cells and thereby reduce the risk of CRS.

Obinutuzumab should be administered as an intravenous infusion at 50 mg/h. The rate of infusion can be escalated in 50 mg/h increments every 30 minutes to a maximum of 400 mg/h.

Premedication and Prophylactic Medications

Cytokine release syndrome prophylaxis

Columvi should be administered to well-hydrated patients. Premedication to reduce the risk of CRS (See Section *4.4 Special Warnings and Precautions for Use*) is outlined in Table 1.

Table 1 Premedication Before Columvi Infusion to Reduce the Risk of Cytokine Release Syndrome

Treatment Cycle (Day)	**Patients requiring premedication**	**Premedication**	**Administration**
Cycle 1 (Day 8, Day 15); **Cycle 2 (Day 1);** **Cycle 3 (Day 1)**	All patients	Intravenous glucocorticoid[a]	Completed at least 1 hour prior to Columvi infusion.
		Oral analgesic / anti-pyretic[b]	At least 30 minutes before Columvi infusion.
		Anti-histamine[c]	
All subsequent infusions	All patients	Oral analgesic / anti-pyretic[b]	At least 30 minutes before Columvi infusion.
		Anti-histamine[c]	
	Patients who experienced CRS with previous dose	Intravenous glucocorticoid[a]	Completed at least 1 hour prior to Columvi infusion.
		Oral analgesic / anti-pyretic[b]	At least 30 minutes before Columvi infusion.
		Anti-histamine[c]	

a 20 mg dexamethasone or 80 mg methylprednisolone.
b For example, 1000 mg paracetamol.
c For example, 50 mg diphenhydramine.

Recommended Dosage

Columvi dosing begins with a step-up dosing schedule (which is designed to decrease the risk of CRS), leading to the recommended dose of 30 mg.

Columvi Dose Step-up Schedule

Columvi must be administered as an intravenous infusion according to the dose step-up schedule leading to the recommended dosage of 30 mg (as shown in Table 2), after completion of pre-treatment with obinutuzumab on Cycle 1 Day 1. Each cycle is 21 days.

Table 2 Columvi Monotherapy Dose Step-Up Schedule for Patients with Relapsed or Refractory DLBCL

Treatment Cycle, Day[a]		**Dose of Columvi**	**Duration of infusion**
Cycle 1 (Pre-treatment and step-up dose)	Day 1	Pre-treatment with obinutuzumab[b]	
	Day 8	2.5 mg	4 hours[c]
	Day 15	10 mg	
Cycle 2	Day 1	30 mg	
Cycle 3 to 12	Day 1	30 mg	2 hours[d]

a Each treatment cycle is 21 days.

b Refer to *Pre-treatment with obinutuzumab* described above.

c For patients who experience CRS with their previous dose of Columvi, the duration of infusion may be extended up to 8 hours (see Table 3 and See Section *4.4 Special Warnings and Precautions for Use*).

d At the discretion of the treating physician, if the previous infusion was well tolerated. If the patient experienced CRS with a previous dose, the duration of infusion should be maintained at 4 hours.

Monitoring after infusion

- All patients must be monitored for signs and symptoms of potential CRS during infusion and for at least 10 hours after completion of the infusion of the first Columvi dose (2.5 mg on Cycle 1 Day 8).
- Patients who experienced Grade ³ 2 CRS with their previous infusion should be monitored after completion of the infusion (see Table 3).

All patients must be counselled on the risk, signs, and symptoms of CRS and advised to contact the healthcare provider immediately should they experience signs and symptoms of CRS.

Duration of Treatment

Treatment with Columvi is recommended for a maximum of 12 cycles or until disease progression or unmanageable toxicity.

Delayed or Missed Doses

During step-up dosing (weekly dosing):

- Following pre-treatment with obinutuzumab, if the Columvi 2.5 mg dose is delayed by more than 1 week, then repeat pre-treatment with obinutuzumab.
- Following Columvi 2.5 mg dose or 10 mg dose, if there is a Columvi treatment-free interval of 2 weeks to 6 weeks, then repeat the last tolerated Columvi dose and resume the planned step-up dosing.
- Following Columvi 2.5 mg dose or 10 mg dose, if there is a Columvi treatment-free interval of more than 6 weeks, then repeat pre-treatment with obinutuzumab and Columvi step-up dosing (see Cycle 1 in Table 2).

After Cycle 2 (30 mg dose):

- If there is a Columvi treatment-free interval of more than 6 weeks between cycles, then repeat pre-treatment with obinutuzumab and Columvi step-up dosing (see Cycle 1 in Table 2), and then resume the planned treatment cycle (30 mg dose).

Preparation and Administration of Columvi

Preparation

Columvi must be diluted by a healthcare professional using aseptic technique, prior to intravenous administration. See Section 6.6 *Special Precautions for Disposal and Other Handling*.

Administration

- Columvi must be administered as an intravenous infusion through a dedicated infusion line.
- Columvi must not be administered as an intravenous push or bolus.
- Columvi must not be mixed with other medicines.

Dose Modifications

No dose reductions of Columvi are recommended.

Management of Cytokine Release Syndrome

Cytokine release syndrome should be identified based on the clinical presentation (See Section *4.4 Special Warnings and Precautions for Use*). Patients should be evaluated for other causes of fever, hypoxia, and hypotension, such as infections or sepsis. If CRS is suspected, it should be managed according to the CRS management recommendations based on American Society for Transplantation and Cellular Therapy [ASTCT] consensus grading in Table 3.

Table 3 ASTCT CRS Grading and CRS Management Guidance

Grade[a]	**CRS Management**	**For Next Scheduled Columvi Infusion**
Grade 1 Fever ³ 38 °C	If CRS occurs during infusion: · Interrupt infusion and treat symptoms · Restart infusion at slower rate when symptoms resolve · If symptoms recur, discontinue current infusion If CRS occurs post-infusion: · Treat symptoms If CRS lasts more than 48 h after symptomatic management: · Consider corticosteroids[c] · Consider tocilizumab[d]	· Ensure symptoms are resolved for at least 72 hours prior to next infusion · Consider slower infusion rate[b]
Grade 2 Fever ³ 38 °C and/or hypotension not requiring vasopressors and/or hypoxia requiring low-flow oxygen by nasal cannula or blow-by	If CRS occurs during infusion: · Discontinue current infusion and treat symptoms · Administer corticosteroids[c] · Consider tocilizumab[d] If CRS occurs post-infusion: · Treat symptoms · Administer corticosteroids[c] · Consider tocilizumab[d]	· Ensure symptoms are resolved for at least 72 hours prior to next infusion · Consider slower infusion rate[b] · Monitor patients post-infusion[e,f]
For Grade 2: Tocilizumab use Do not exceed 3 doses of tocilizumab[d] in a period of 6 weeks. If no prior use of tocilizumab or if 1 dose of tocilizumab was used within the last 6 weeks: · Administer first dose of tocilizumab[d] · If no improvement within 8 hours administer second dose of tocilizumab[d] · After 2 doses of tocilizumab, consider alternative anti-cytokine and/or alternative immunosuppressant therapy If 2 doses of tocilizumab were used within the last 6 weeks: · administer only one dose of tocilizumab · If no improvement within 8 hours consider alternative anti-cytokine and/or alternative immunosuppressant therapy		

Grade[a]	CRS Management	For Next Scheduled Columvi Infusion
Grade 3 Fever ³ 38 °C and/or hypotension requiring a vasopressor (with or without vasopressin) and/or hypoxia requiring high-flow oxygen by nasal cannula, face mask, non-rebreather mask, or Venturi mask	If CRS occurs during infusion: · Discontinue current infusion and treat symptoms · Administer corticosteroids[c] · Administer tocilizumab[d] If CRS occurs post-infusion: · Treat symptoms · Administer corticosteroids[c] · Administer tocilizumab[d]	· Ensure symptoms are resolved for at least 72 hours prior to next infusion · Consider slower infusion rate[b] · Monitor patients post-infusion[e,f] · If Grade ³ 3 CRS recurs at subsequent infusion, stop infusion immediately and permanently discontinue Columvi
Grade 4 Fever ³ 38 °C and/or hypotension requiring multiple vasopressors (excluding vasopressin) and/or hypoxia requiring oxygen by positive pressure (e.g., CPAP, BiPAP, intubation, and mechanical ventilation)	If CRS occurs during infusion or post-infusion: · Permanently discontinue Columvi and treat symptoms · Administer corticosteroids[c] · Administer tocilizumab[d]	
For Grade 3 and Grade 4: Tocilizumab use Do not exceed 3 doses of tocilizumab[d] in a period of 6 weeks. If no prior use of tocilizumab or if 1 dose of tocilizumab was used within the last 6 weeks: · Administer first dose of tocilizumab[d] · If no improvement within 8 hours or rapid progression of CRS, administer second dose of tocilizumab[d] · After 2 doses of tocilizumab, consider alternative anti-cytokine and/or alternative immunosuppressant therapy If 2 doses of tocilizumab were used within the last 6 weeks: · Administer only one dose of tocilizumab · If no improvement within 8 hours or rapid progression of CRS, consider alternative anti-cytokine and/or alternative immunosuppressant therapy		

a American Society for Transplantation and Cellular Therapy (ASTCT) consensus grading criteria .

b Duration of infusion may be extended up to 8 hours, as appropriate for that cycle (see Table 2).

c Corticosteroids (e.g., 10 mg IV dexamethasone, 1-2 mg/kg IV methylprednisolone per day, or equivalent).

d Tocilizumab 8 mg/kg IV (not to exceed 800 mg).

e Grade ³ 2 CRS following Columvi 10 mg dose at Cycle 1 Day 15 occurred in 5.2% of patients, with a median time to onset (from start of infusion) of 26.2 hours (range: 6.7 to 144.22 hours).

f Grade ³ 2 CRS following Columvi 30 mg dose at Cycle 2 Day 1 occurred in one patient (0.8%), with time to onset of 15.0 hours.

Special populations

Elderly

No dose adjustment of Columvi is required in patients ≥ 65 years of age (See Section *4.4 Special Warnings and Precautions for Use* and Section *5.2 Pharmacokinetics in Special Populations*).

Renal impairment

No dose adjustment of Columvi is required in patients with mild or moderate renal impairment (CrCL 30 to < 90 mL/min). Columvi has not been studied in patients with severe renal impairment (See Section *4.4 Special Warnings and Precautions for Use* and Section *5.2 Pharmacokinetics in Special Populations*).

Hepatic impairment
No dose adjustment is required in patients with mild hepatic impairment (total bilirubin > upper limit of normal [ULN] to ≤ 1.5 x ULN or aspartate transaminase [AST] > ULN). No specific studies in patients with moderate or severe hepatic impairment have been conducted with Columvi (See Section *4.4 Special Warnings and Precautions for Use* and Section *5.2 Pharmacokinetics in Special Populations*).

Paediatric Population
The safety and efficacy of Columvi in patients younger than 18 years has not been established.

Method of Administration
Columvi must be diluted by a healthcare professional using aseptic technique, prior to intravenous administration. It must be administered as an intravenous infusion through a dedicated infusion line. Columvi must not be administered as an intravenous push or bolus.

For instructions on dilution of the medicine before administration, see section 6.6

4.3 CONTRAINDICATIONS
Columvi is contraindicated in patients with a known hypersensitivity to glofitamab or any of the excipients.

Refer to obinutuzumab-specific contraindications in the obinutuzumab product information.

4.4 SPECIAL WARNINGS AND PRECAUTIONS FOR USE
Refer to obinutuzumab-specific warnings and precautions in the obinutuzumab product information.

In order to improve traceability of biological medicinal products, the trade name and the batch number of the administered product should be clearly recorded (or stated) in the patient file.

Cytokine Release Syndrome

CRS, including life-threatening reactions, has been reported in patients receiving Columvi.

The most common manifestations of CRS were pyrexia, tachycardia, hypotension, chills, and hypoxia. Infusion-related reactions may be clinically indistinguishable from manifestations of CRS.

CRS of any grade (ASTCT criteria) occurred in 64.3% of patients in study NP30179. Grade 3 or 4 CRS occurred in 3.9% of patients. There were no fatal cases of CRS. Most CRS events occurred following the first dose of Columvi (see Section 4.8 Undesirable Effects).

To reduce the occurrence of CRS, patients must be pre-treated with obinutuzumab, 7 days prior to initiation of Columvi, and should be premedicated with an anti-pyretic, anti-histamine, and a glucocorticoid (See Section *4.2 Dose and Method of Administration)*.

At least 1 dose of tocilizumab for use in the event of CRS must be available prior to Columvi infusion at Cycles 1 and 2. Access to an additional dose of tocilizumab within 8 hours of use of the previous tocilizumab dose must be ensured.

Patients must be monitored during all Columvi infusions and for at least 10 hours after completion of the first infusion. For complete information on monitoring, see Section 4.2 *Dose and Method of Administration*. The prescriber must counsel patients to seek immediate medical attention should signs or symptoms of CRS occur at any time.

Patients should be evaluated for other causes of fever, hypoxia, and hypotension, such as infections or sepsis. CRS should be managed based on the patient's clinical presentation and according to the CRS management guidance provided in Table 3 (see Section *4.2 Dose and Method of Administration*).

Serious Infections

Serious infections (such as sepsis and pneumonia) have occurred in patients treated with Columvi (see Section *4.8 Adverse Effects (undesirable Effects)*).

Columvi must not be administered to patients with an active infection. Caution should be exercised when considering the use of Columvi in patients with a history of chronic or recurrent infection, those with underlying conditions that may predispose them to infections, or those who have had significant prior immunosuppressive treatment. Patients should be monitored before and during Columvi treatment for the emergence of possible bacterial, fungal, and new or reactivated viral infections and treated appropriately.

Columvi should be temporarily withheld in the presence of an active infection until the infection has resolved. Patients should be instructed to seek medical advice if signs and symptoms suggestive of an infection occur.

Febrile neutropenia has been reported during treatment with Columvi. Patients with febrile neutropenia should be evaluated for infection and treated promptly.

Tumour Flare

Tumour flare has been reported in patients receiving Columvi. Manifestations included localised pain and swelling (see Section 4.8 Undesirable Effects).

Consistent with the mechanism of action of Columvi, tumour flare is likely due to the influx of T cells into tumour sites following Columvi administration and may mimic progression of disease. Tumour flare does not imply treatment failure or represent tumour progression.

Specific risk factors for tumour flare have not been identified, however, there is a heightened risk of compromise and morbidity due to mass effect secondary to tumour flare in patients with bulky tumours located in close proximity to airways and/or a vital organ. Monitoring and evaluation of tumour flare at critical anatomical sites is recommended in patients treated with Columvi and managed as clinically indicated.

Tumour Lysis Syndrome

Tumour lysis syndrome (TLS) has been reported in patients receiving Columvi (see Section 4.8 Undesirable Effects). Patients with high tumour burden, rapidly proliferative tumours, renal dysfunction, or dehydration are at greater risk of TLS.

Patients at risk should be monitored closely by appropriate clinical and laboratory tests for electrolyte status, hydration, and renal function. Appropriate prophylactic measures with anti-hyperuricemics (e.g., allopurinol or rasburicase) and adequate hydration should be considered prior to Columvi infusion.

Management of TLS may include aggressive hydration, correction of electrolyte abnormalities, anti-hyperuricemic therapy, and supportive care.

Use in Hepatic Impairment

The safety and efficacy of Columvi in patients with hepatic impairment has not been studied (See Section *4.2 Dose and Method of Administration* and Section *5.2 Pharmacokinetics in Special Populations)*.

Use in Renal Impairment

No dose adjustment is required in patients with mild or moderate renal impairment based on population pharmacokinetic analysis. The safety and efficacy of Columvi in patients with severe renal impairment has not been studied (See Section *4.2 Dose and Method of Administration* and Section *5.2 Pharmacokinetics in Special Populations)*.

Use in the Elderly

No differences in safety or efficacy of Columvi were observed between patients ≥ 65 years of age and those under 65 years. No dose adjustment of Columvi is required in patients ≥ 65 years of age (See Section *4.2 Dose and Method of Administration* and Section *5.2 Pharmacokinetics in Special Populations)*.

Paediatric use

The safety and efficacy of Columvi in paediatric patients have not been established.

Effects on laboratory tests

No data available.

4.5 INTERACTIONS WITH OTHER MEDICINES AND OTHER FORMS OF INTERACTIONS

No clinical drug- drug interaction studies have been performed.

No drug interactions with Columvi are expected via the cytochrome P450 enzymes, other metabolising enzymes, or transporters.

Physiologically based pharmacokinetic modelling was performed to estimate the magnitude of potential drug interactions caused by the glofitamab-induced transient increase in interleukin-6 (IL-6) levels which may impact CYP activity. The modelling demonstrates that the magnitude of the suppressive effect of transient IL-6 increase on CYP activities is < 50%. In addition, the changes in exposures to substrates of CYP3A4, CYP1A2, and CYP2C9 are expected to be less than or equal to twofold.

The highest drug-drug interaction risk is during the period of one week following each of the first 2 doses of Columvi (i.e., Cycle 1 Day 8 and Day 15) in patients who are receiving concomitant CYP450 substrates, particularly those with a narrow therapeutic index (e.g., warfarin, cyclosporine). On initiation of Columvi therapy, close monitoring of patients being treated with CYP450 substrates with a narrow therapeutic index should be considered.

4.6 FERTILITY, PREGNANCY AND LACTATION

Pregnancy

Female patients of reproductive potential must be advised to avoid pregnancy while receiving Columvi. There are no available data on the use of Columvi in pregnant women. Glofitamab is an immunoglobulin G (IgG). IgG is known to cross the placenta. Based on its mechanism of action, glofitamab is likely to cause fetal B-cell depletion when administered to a pregnant woman. Female patients receiving Columvi should be advised of the potential harm to the foetus. Female patients should be advised to contact the treating physician, should pregnancy occur.

Breast-feeding

It is not known whether glofitamab is excreted in human milk. No studies have been conducted to assess the impact of glofitamab on milk production or its presence in human milk. Human IgG is known to be present in human milk. The potential for absorption of glofitamab and the potential for adverse reactions in the nursing infant is unknown. Women should be advised to discontinue breastfeeding during treatment with Columvi and for 2 months after the last dose of Columvi.

Fertility

No fertility assessments in animals have been performed to evaluate the effect of Columvi.

Contraception

Female patients of reproductive potential must use highly effective contraceptive methods during treatment and for at least 2 months following the last dose of Columvi.

Labour and Delivery

The safe use of Columvi during labour and delivery has not been established.

4.7 EFFECTS ON ABILITY TO DRIVE AND USE MACHINES

Columvi has no or negligible influence on the ability to drive and use machines. Patients experiencing symptoms of CRS (pyrexia, tachycardia, hypotension, chills, hypoxia) should be advised not to drive or use machines until symptoms resolve.

4.8 UNDESIRABLE EFFECTS

Summary of the safety profile

Columvi monotherapy

Approximately 469 patients with relapsed or refractory non-Hodgkin's lymphoma have received Columvi as monotherapy in the clinical development program of Columvi.

The adverse drug reactions described below were identified from 154 patients with relapsed or refractory DLBCL, who had received at least two prior lines of systemic therapy, including DLBCL arising from follicular lymphoma, high-grade B-cell lymphoma (HGBCL), and primary mediastinal b-cell lymphoma (PMBCL), treated with Columvi monotherapy in study NP30179, an open-label multicentre clinical trial.

Tabulated list of adverse reactions from clinical trials

Adverse drug reactions from clinical trials (Table 4) are listed by MedDRA system organ class. The corresponding frequency category for each adverse drug reaction is based on the following convention:

very common (³ 1/10), common (³ 1/100 to < 1/10), uncommon (³ 1/1,000 to < 1/100), rare (³ 1/10,000 to < 1/1,000), very rare (< 1/10,000).

Table 4 Adverse Drug Reactions Occurring in Patients with Relapsed or Refractory DLBCL Treated with Columvi Monotherapy

System Organ Class Adverse Reaction	Columvi N=154		
	All Grades (frequency category)	**All Grades (%)**	**Grade 3- 4 (%)**
Immune system disorders			
Cytokine release syndrome[a]	Very common	64.3	3.9
Blood and lymphatic system disorders			
Neutropenia[b]	Very common	37.7	27.3
Anaemia[c]	Very common	30.5	7.8
Thrombocytopenia[d]	Very common	24.7	7.8
Lymphopenia[e]	Common	4.5	4.5
Febrile neutropenia[f]	Common	3.2	3.2
General disorders and administration site conditions			
Pyrexia	Very common	16.2	0
Metabolism and nutrition disorders			
Hypophosphataemia	Very common	17.5	5.8
Hypomagnesaemia	Very common	14.3	0
Hypocalcaemia	Very common	12.3	0
Hypokalaemia	Very common	11.0	1.3
Hyponatraemia	Common	7.8	1.3
Tumour lysis syndrome	Common	1.3	1.3
Skin and subcutaneous tissue disorders			
Rash[g]	Very common	18.8	1.3
Gastrointestinal disorders			
Constipation	Very common	13.6	0
Diarrhoea	Very common	13.0	0
Nausea	Very common	10.4	0
Gastrointestinal haemorrhage[h]	Common	2.6	2.6
Vomiting	Common	4.5	0
Neoplasms benign, malignant and unspecified (incl cysts and polyps)			
Tumour flare	Very common	11.0	2.6
Nervous system disorders			
Headache	Common	9.7	0
Somnolence	Common	1.3	0.6
Tremor	Common	1.3	0
Myelitis[i]	Uncommon	0.6	0.6
Infections and infestations			
Viral infections[j]	Very common	11.0	3.2*
Bacterial infections[k]	Common	6.5	1.9
Upper respiratory tract infections[l]	Common	5.2	0
Sepsis[m]	Common	3.9	2.6*

Lower respiratory tract infections[n]	Common	1.9	0
Pneumonia	Common	4.5	1.3
Urinary tract infection[o]	Common	2.6	0.6
Fungal infections[p]	Uncommon	1.3	0
Investigations			
Alanine aminotransferase increased	Common	8.4	2.6
Aspartate aminotransferase increased	Common	7.8	2.6
Blood alkaline phosphatase increased	Common	8.4	1.3
Gamma-glutamyltransferase increased	Common	6.5	2.6
Blood bilirubin increased	Common	3.9	0.6
Hepatic enzyme increased	Common	1.3	1.3
Psychiatric disorders			
Confusional state	Common	1.9	0

* Grade 5 reactions reported include sepsis (1.3%), COVID-19 pneumonia (1.9%), and COVID-19 (1.9%).
a Based on ASTCT consensus grading.
b Includes neutropenia and neutrophil count decreased.
c Includes anaemia and haemoglobin decreased.
d Includes thrombocytopenia and platelet count decreased.
e Includes lymphopenia and lymphocyte count decreased.
f Includes febrile neutropenia and neutropenic infection.
g Includes rash, rash pruritic, rash maculo-papular, dermatitis, dermatitis acneiform, dermatitis exfoliative, erythema, palmar erythema pruritus, and rash erythematous.
h Includes gastrointestinal haemorrhage, large intestinal haemorrhage, and gastric haemorrhage.
i Myelitis occurred concurrently with CRS.
j Includes COVID-19, COVID-19 pneumonia, herpes zoster, influenza, and ophthalmic herpes zoster.
k Includes vascular device infection, bacterial infection, Campylobacter infection, biliary tract infection bacterial, urinary tract infection bacterial, *Clostridium difficile* infection, Escherichia infection, and peritonitis.
l Includes upper respiratory tract infection, sinusitis, nasopharyngitis, chronic sinusitis, and rhinitis.
m Includes sepsis and septic shock.
n Includes lower respiratory tract infection and bronchitis.
o Includes urinary tract infection and Escherichia urinary tract infection.
p Includes oesophageal candidiasis and oral candidiasis.

Description of selected adverse reactions from clinical trials

Cytokine Release Syndrome

In study NP30179, any grade CRS (by ASTCT criteria) occurred in 64.3% of patients, with Grade 1 CRS being reported in 48.1% of patients, Grade 2 CRS in 12.3% patients, Grade 3 CRS in 2.6% of patients, and Grade 4 CRS in 1.3% of patients. There were no fatal cases of CRS. CRS resolved in all patients except one. One patient discontinued Columvi due to CRS.

In patients with CRS, the most common manifestations of CRS included pyrexia (99.0%), tachycardia (26.3%), hypotension (23.2%), chills (14.1%), and hypoxia (12.1%). Grade 3 or higher events associated with CRS included hypotension (3.0%), hypoxia (3.0%), pyrexia (2.0%), and tachycardia (2.0%).

CRS of any grade occurred in 54.5% of patients following the 2.5 mg dose of Columvi at Cycle 1 Day 8 with median time to onset (from the start of infusion) of 12.6 hours (range: 5.2 to 50.8 hours); in 33.3% of patients following the 10 mg dose at Cycle 1 Day 15 with median time to onset of 26.8 hours (range: 6.7 to 125.0 hours); and in 26.8% of patients following the 30 mg dose at Cycle 2 Day 1 with median time to onset of 28.2 hours (range: 15.0 to 44.2 hours). CRS was reported in 0.9% of patients at Cycle 3 and in 2% of patients beyond Cycle 3.

Grade ³ 2 CRS occurred in 12.4% of patients following the first Columvi dose (2.5 mg), with median time to onset of 9.7 hours (range: 5.2 to 19.1 hours) and median duration of 50.4 hours (range: 6.5 to 316.7 hours). Following Columvi 10 mg dose at Cycle 1 Day 15, the incidence of Grade ³ 2 CRS decreased to 5.2% of patients, with median time to onset of 26.2 hours (range: 6.7 to 144.2 hours) and median duration of 30.9 hours (range: 3.7 to 227.2 hours). Grade ³ 2 CRS following Columvi 30 mg dose at Cycle 2 Day 1 occurred in one patient (0.8%) with time to onset of 15.0 hours and duration of 44.8 hours. No Grade ³ 2 CRS was reported beyond Cycle 2.

Among the 25 patients who experienced Grade 2 or higher CRS after Columvi, 22 (88%) received tocilizumab, 15 (60%) received corticosteroids, and 14 (56%) received both tocilizumab and corticosteroids. Ten patients (40%) received oxygen. All 6 patients (24.0%) with Grade 3- 4 CRS received a single vasopressor.

In patients who received dexamethasone premedication (N=39) versus another glucocorticoid premedication (N=106), CRS of any grade occurred in 48.7% vs. 56.6% of patients; Grade 1 CRS in 38.5% vs. 43.4% of patients; Grade 2 CRS in 7.7% vs. 9.4% of patients; Grade 3 CRS in 2.6% vs. 1.9% of patients; and Grade 4 CRS in 0% vs. 1.9% of patients after the 2.5 mg dose of Columvi at Cycle 1 Day 8. After the 10 mg dose at Cycle 1 Day 15 (N=36 for dexamethasone premedication, N=99 for another glucocorticoid premedication), any grade CRS occurred in 22.2% vs 37.4% of patients; Grade 1 CRS in 22.2% vs 30.3% of patients; Grade 2 CRS in 0% vs 6.1% of patients; and Grade 3 CRS in 0% vs 1% of patients. After the 30 mg dose at Cycle 2 Day 1 (N=32 for dexamethasone premedication, N=95 for another glucocorticoid premedication) any grade CRS occurred in 6.3% vs 33.7% of patients; Grade 1 CRS in 6.3% vs 32.6% of patients; and Grade 2 CRS in 0% vs 1.1% of patients.

Serious Infections

In study NP30179, serious infections were reported in 18.2% of patients. The most frequent serious infections reported in ³ 2% patients were sepsis (3.9%), COVID-19 pneumonia (3.2%), and COVID-19 (3.2%). Infection-related deaths were reported in 5.2% of patients (due to sepsis, COVID-19 pneumonia, and COVID-19). Four patients (2.6%) experienced serious infections concurrently with Grade 3- 4 neutropenia.

Neutropenia

Neutropenia (including neutrophil count decreased) was reported in 37.7% of patients and severe neutropenia (Grade 3- 4) was reported in 27.3% of patients. The median time to onset of the first neutropenia event was 29 days (range: 1 to 203 days). Prolonged neutropenia (lasting longer than 30 days) occurred in 11.0% of patients. The majority of patients with neutropenia (79.3%) were treated with G-CSF. Febrile neutropenia was reported in 2.6% of patients.

Tumour Flare

Tumour flare was reported in 11.0% of patients, including Grade 2 Tumour flare in 4.5% of patients and Grade 3 Tumour flare in 2.6% of patients. Tumour flare was reported involving lymph nodes in the head and neck presenting with pain, and involving lymph nodes in the thorax with symptoms of breathlessness due to development of pleural effusion. Most Tumour flare events (16/17) occurred during Cycle 1, and no Tumour flare events were reported beyond Cycle 2. The median time to onset of Tumour flare of any grade was 2 days (range: 1 to 16 days), and the median duration was 3.5 days (range: 1 to 35 days). No patients discontinued Columvi due to Tumour flare.

Tumour Lysis Syndrome

Tumour lysis syndrome (TLS) was reported in 2 patients (1.3%) and was Grade 3 in severity in both cases. The median time to TLS onset was 2 days, and the median duration was 4 days (range: 3 to 5 days).

Laboratory Abnormalities

Table 5 summarises treatment-emergent shifts from baseline in laboratory abnormalities in study NP30179.

Table 5 Laboratory Abnormalities Worsening from Baseline, with Grade 3 to 4 Occurring in ³ 10% of Patients with Relapsed or Refractory DLBCL Treated with Columvi Monotherapy

Laboratory Abnormality[a]	Columvi NCI CTCAE Grade	
	All Grades (%)[b]	Grade 3 or 4 (%)[b,c]
Haematology		
Decreased lymphocytes	88.5	81.1
Decreased neutrophils	54.4	25.5
Decreased leukocytes	69.3	13.3
Chemistry		
Hypophosphatemia	67.8	26.8
Hyperglycemia	13.7	13.7
Hyperuricemia	22.5	22.5

a Percentages based on patients with a baseline and at least one post-baseline assessment for the specific laboratory parameter.

b N=148 for decreased lymphocytes; N=149 for decreased neutrophils; N=150 for decreased leukocytes; N=149 for hypophosphatemia; N=146 for hyperglycemia; N=142 for hyperuricemia.

c Includes shifts from Grade 0- 2 at baseline to Grade ³ 3 post-baseline, and shifts from Grade 3 at baseline to Grade 4 post-baseline.

Reporting of suspected adverse reactions

Reporting suspected adverse reactions after authorisation of the medicine is important. It allows continued monitoring of the benefit/risk balance of the medicine. Healthcare professionals are asked to report any suspected adverse reactions https://nzphvc.otago.ac.nz/reporting/

4.9 OVERDOSE

There is no experience with overdosage of Columvi in clinical trials.

For advice on the management of overdose please contact the National Poisons Centre on 0800 POISON (0800 764766).

5. PHARMACOLOGICAL PROPERTIES

5.1 PHARMACODYNAMIC PROPERTIES

Pharmacotherapeutic group: Antineoplastic agent, monoclonal antibody (recombinant humanised immunoglobulin G1), ATC code: not yet assigned

Mechanism of Action

Glofitamab is a bispecific monoclonal antibody that binds bivalently (with high avidity) to CD20 expressed on the surface of B cells and monovalently to CD3 in the T-cell receptor complex expressed on the surface of T cells. By simultaneous binding to CD20 on the B cell and CD3 on the T cell,

glofitamab mediates the formation of an immunological synapse with subsequent potent T-cell activation and proliferation, secretion of cytokines, and release of cytolytic proteins that results in the lysis of CD20-expressing B cells.

Pharmacodynamics
Peripheral B-cell counts, prior to Columvi treatment initiation, in almost all patients (98.6%) with relapsed and refractory LBCL were <70 cells/µL, and remained low during Columvi treatment.
During Cycle 1 (step-up dosing), transient increases in plasma IL-6 levels were observed at 6 hours post-Columvi infusion, which remained elevated at 20 hours post-infusion and returned to baseline prior to the next infusion.

Clinical trials

Relapsed or Refractory DLBCL

The efficacy of Columvi monotherapy was evaluated in study NP30179, a single-arm, open-label multicenter, multi-cohort trial, which included 155 patients with relapsed or refractory DLBCL after at least two prior lines of systemic therapy. The study excluded patients with prior allogeneic hematopoietic stem cell transplant, previous or active central nervous system lymphoma, ECOG performance status ³ 2, creatinine clearance (CrCL) < 50 mL/min, or hepatic transaminases > 3 ´ ULN.

Following pre-treatment with obinutuzumab at Cycle 1 Day 1, patients received 2.5 mg of Columvi at Cycle 1 Day 8, 10 mg of Columvi at Cycle 1 Day 15, and 30 mg of Columvi at Cycle 2 Day 1 as per the step-up dosing schedule. Patients continued to receive 30 mg of Columvi on Day 1 of Cycles 3 to 12. Patients received premedication including an anti-pyretic, an anti-histamine and a glucocorticoid (see section 4.2 Dose and Method of Administration). The duration of each cycle was 21 days. Patients received a median of 5 cycles of Columvi treatment (range: 1 to 13 cycles).

The baseline demographic and disease characteristics were: median age 66 years (range: 21 to 90 years); 65.2% males; 76.8% white, 4.5% Asian, and 1.9% Black or African American; 5.8% Hispanic or Latino; and ECOG performance status of 0 (44.5%) or 1 (54.2%). Most patients (71.0%) had DLBCL not otherwise specified, 18.7% had DLBCL transformed from follicular lymphoma, 6.5% had HGBCL, and 3.9% had PMBCL. The median number of prior lines of therapy was 3 (range: 2 to 7), with 39.4% of patients having received 2 prior lines and 60.6% having received 3 or more prior lines of therapy. All patients had received prior chemotherapy and anti-CD20 monoclonal antibody therapy; 33.5% of patients had received prior CAR T-cell therapy, and 18.1% of patients had received autologous stem cell transplant. Most patients (89.7%) had refractory disease, 58.7% patients had primary refractory disease, and 84.5% of patients were refractory to their last prior therapy, and 88.5% of patients who received prior CAR T-cell therapy were refractory to CAR T-cell therapy.

The overall median duration of follow-up was 13.4 months (range: 0 to 28 months). Median duration of follow-up from the date of first response per Independent Review Committee (IRC) assessment was 12.0 months (range: 0 to 27 months).

The primary efficacy outcome measure was complete response (CR) rate as assessed by IRC using 2014 Lugano criteria. The secondary efficacy outcome measures included Investigator (INV)-assessed CR, and overall response rate (ORR), duration of response (DOR), duration of complete response (DOCR), time to first response (TFOR), time to first complete response (TFCR), overall survival (OS), and progression-free survival (PFS), as assessed by IRC and by INV.

Efficacy results are summarised in Table 6.

Table 6 Efficacy in Patients with Relapsed or Refractory DLBCL Treated with Columvi Monotherapy

Efficacy Endpoints	**Columvi N=155**	
Primary Endpoint		
IRC-Assessed Complete Response		
Patients with CR, n (%)	62 (40.0)	
95% CI	[32.22, 48.17]	
Secondary Endpoints		
INV-Assessed Complete Response		
Patients with CR, n (%)	59 (38.1)	
95% CI	[30.39, 46.20]	
Overall Response Rate	*IRC-Assessed*	*INV-Assessed*
Patients with CR or PR, n (%)	80 (51.6)	91 (58.7)
95% CI	[43.46, 59.70]	[50.53, 66.55]
Partial Response (PR), n (%)	18 (11.6)	32 (20.6)
95% CI	[7.03, 17.73]	[14.57, 27.88]
Duration of Complete Response[a]	*IRC-Assessed*	*INV-Assessed*
Median DOCR, months [95% CI]	NE [16.8, NE]	NE [19.8, NE]
Range, months	0[b]- 27[b]	0[b]- 27[b]
9-month DOCR, % [95% CI][c]	76.0 [63.26, 88.71]	72.5 [59.25, 85.68]
12-month DOCR, % [95% CI][c]	73.1 [59.57, 86.53]	72.5 [59.25, 85.68]
Duration of Response[d]	*IRC-Assessed*	*INV-Assessed*
Median DOR, months [95% CI]	16.8 [10.4, NE]	10.4 [5.4, NE]
Range, months	0[b]- 27[b]	0[b]- 27[b]
9-month DOR, % [95% CI][c]	66.5 [54.91, 78.00]	52.2 [41.10, 63.34]
12-month DOR, % [95% CI][c]	59.6 [46.85, 72.28]	48.4 [36.93, 59.91]
Time to First Response	*IRC-Assessed*	*INV-Assessed*
Median TFOR, days [95% CI]	42 [41, 42]	42 [40, 42]
Range, days	31–178	31–178
Time to First Complete Response	*IRC-Assessed*	*INV-Assessed*
Median TFCR, days [95% CI]	42 [42, 44]	43 [42, 48]
Range, days	31–308	31–274
Progression-Free Survival	*IRC-Assessed*	*INV-Assessed*
Patients with event, n (%)	95 (61.3)	98 (63.2)
Median PFS, months [95% CI]	4.9 [3.4, 8.1]	3.8 [3.3, 5.4]
6-month PFS, % [95% CI][c]	46.7 [38.40, 54.92]	39.1 [30.98, 47.14]
9-month PFS, % [95% CI][c]	39.6 [31.34, 47.76]	35.1 [27.08, 43.03]
12-month PFS, % [95% CI][c]	34.9 [26.48, 43.31]	30.6 [22.55, 38.69]
Overall Survival	*INV-Assessed*	
Patients with event, n (%)	81 (52.3)	
Median OS, months [95% CI]	12 [8.0, 16.1]	
6-month OS, % [95% CI][c]	71.6 [64.34, 78.89]	
9-month OS, % [95% CI][c]	54.8 [46.65, 62.87]	
12-month OS, % [95% CI][c]	50.4 [42.06, 58.71]	

CI=confidence interval; INV=Investigator; IRC=Independent Review Committee; N/A=not applicable; NE=not estimable.

a From date of first complete response until disease progression or death due to any cause.

b Censored observations.
c Event-free rates based on Kaplan-Meier estimates.
d From date of first response (PR or CR) until disease progression or death due to any cause.

The efficacy population included a cohort of patients (N=40) where dexamethasone was mandated as the glucocorticoid premedication. In this cohort, the IRC-assessed ORR was 52.5% (95% CI: 36.1, 68.5) and the CR was 47.5% (95% CI: 31.5, 63.9).

Figure 1: Duration of IRC-Assessed Complete Response in Patients with Relapsed or Refractory DLBCL Treated with Columvi Monotherapy

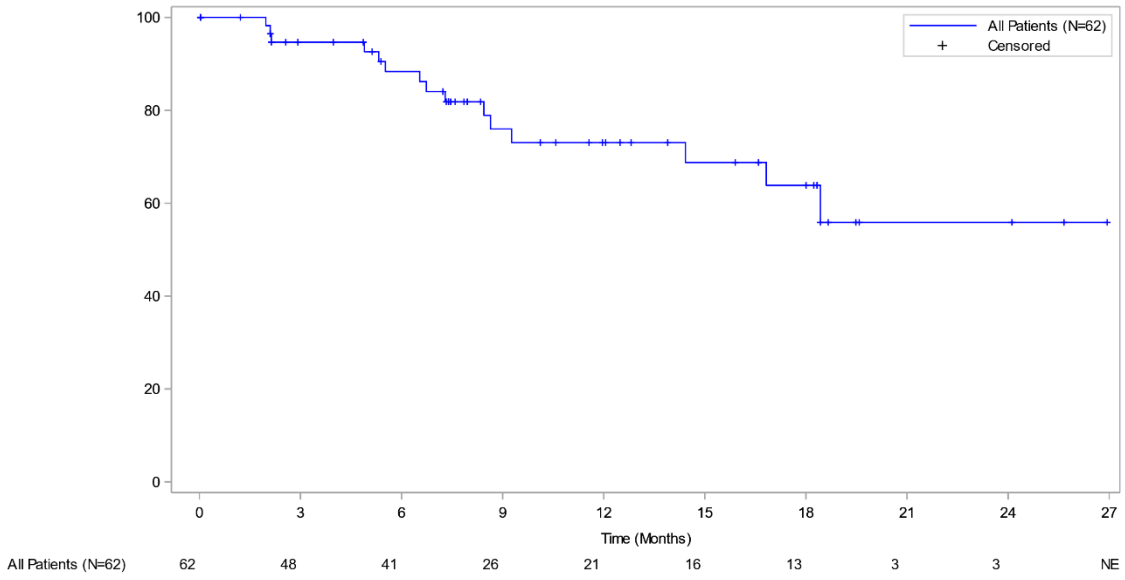
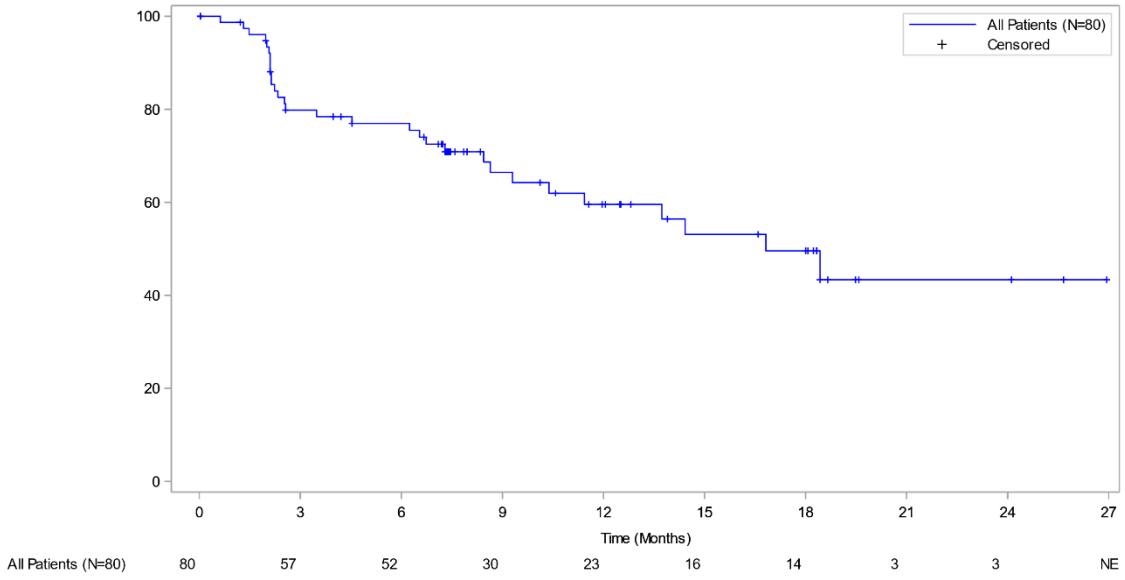


Figure 2: Duration of IRC-Assessed Response in Patients with Relapsed or Refractory DLBCL Treated with Columvi Monotherapy



Patient Reported Outcomes

Study NP30179 evaluated patient-reported outcomes of Columvi treatment. Patients reported moderate to moderate-high levels at baseline of Physical Functioning, Role Functioning, and Global Health Status/Quality of Life (QoL) and low levels of fatigue (weakness, tiredness) as measured by the EORTC QLQ-C30 at baseline which were maintained during treatment. Most patients indicated that symptoms commonly associated with Columvi treatment (constipation, diarrhoea, and nausea) were not present or were of low severity if present, and maintained during treatment. Patients reported low levels of lymphoma symptoms at baseline as measured by the FACT-Lym scale which were maintained during treatment.

Immunogenicity

As with all therapeutic proteins, there is a potential immunogenicity.

The majority of patients (94.6%, N=418) who received glofitamab monotherapy in study NP30179 were negative for ADAs at baseline and remained negative throughout treatment with Columvi. Two (0.5%) patients were negative for ADAs at baseline and became positive for ADAs during treatment. Three patients (0.7%) were ADA-positive at baseline and at one or more post-dose timepoints. Due to the limited number of patients with antibodies against glofitamab, no conclusions can be drawn concerning a potential effect of immunogenicity on efficacy or safety.

The detection of an immune response is highly dependent on the sensitivity and specificity of the assays used, sample handling, timing of sample collection, concomitant medications, and underlying disease. For these reasons, comparison of the incidence of antibodies to glofitamab with the incidence of antibodies to other products may be misleading.

This medicine has been given a provisional consent under Section 23 of the Act. This means that further evidence on this medicine is awaited or that there are specific conditions of use.

5.2 PHARMACOKINETIC PROPERTIES

CAS number: 2229047-91-8

Glofitamab is a humanised anti-CD20 anti-CD3 bispecific monoclonal antibody produced in Chinese hamster ovary (CHO) cells by recombinant DNA technology.
Non-compartmental analyses indicate that glofitamab serum concentration reaches the maximal level (C_{max}) at the end of infusion and declines in a bi-exponential fashion. Glofitamab exhibits linear and dose-proportional pharmacokinetics over the dose range studied (0.005 to 30 mg) and is independent of time.

Absorption

Columvi is administered as an IV infusion. Peak concentration of glofitamab (C_{max}) was reached at the end of the infusion.

Distribution

Following IV administration, the central volume of distribution was 3.38 L, which is close to total serum volume. The peripheral volume of distribution was 2.13 L.

Metabolism

The metabolism of glofitamab has not been directly studied. Antibodies are cleared principally by catabolism.

Elimination

The glofitamab serum concentration- time data are described by a population pharmacokinetic model with two compartments and both time-independent clearance and time-varying clearance.

The time-independent clearance pathway was estimated as 0.627 L/day and the initial time-varying clearance pathway as 0.584 L/day, with an exponential decay over time (K_{des} ~ 0.614/day). The estimated decay half-life from the initial total clearance value to the time-independent clearance only was estimated as 1.26 days.

The effective half-life in the linear phase (i.e., after the contribution of time-varying clearance has collapsed to a negligible amount) can be approximated to a typical linear effective half-life of 6.10 days based on the population pharmacokinetic analysis.

Pharmacokinetic/Pharmacodynamic relationship(s)

Paediatric Population

No studies have been conducted to investigate the pharmacokinetics of glofitamab in paediatric patients.

Geriatric Population

No differences in glofitamab exposure were noted in patients 65 years of age and older and those under 65 years based on population pharmacokinetic analysis.

Renal impairment

Population pharmacokinetic analyses showed that creatinine clearance does not affect the pharmacokinetics of glofitamab. The pharmacokinetics of glofitamab in patients with mild or moderate (CrCL 30 to < 90 mL/min) renal impairment were similar to those in patients with normal renal function. No dose adjustment is required for patients with mild or moderate renal impairment. Columvi has not been studied in patients with severe renal impairment.

Hepatic impairment

Population pharmacokinetic analyses showed hepatic impairment does not affect the pharmacokinetics of glofitamab. The pharmacokinetic of glofitamab in patients with mild hepatic impairment (total bilirubin > ULN to ≤ 1.5 x ULN or AST > ULN) were similar to those with normal hepatic functions. No dose adjustment is required for patients with mild hepatic impairment. Columvi has not been studied in patients with moderate and severe hepatic impairment.

5.3 PRECLINICAL SAFETY DATA

Genotoxity

No studies have been performed to establish the mutagenic potential of Columvi.

Carconogenicity

No carcinogenicity studies have been performed to establish the carcinogenic potential of Columvi.

Fertility

No reproductive toxicity studies in animals have been performed to evaluate the effect of Columvi.

Reproductive toxicity

Based on low placental transfer of antibodies during the first trimester, the mechanism of action of glofitamab (B-cell depletion, target-dependent T-cell activation, and cytokine release), the available

safety data with Columvi, and the data on other anti-CD20 antibodies, the risk for teratogenicity is low. Prolonged B-cell depletion can lead to increased risk of opportunistic infection, which may cause fetal loss. Transient CRS associated with Columvi administration may also be harmful to the fetus.

Other

In a study in cynomolgus monkeys, animals experiencing severe CRS after a single intravenous dose of glofitamab (0.1 mg/kg) without obinutuzumab pre-treatment had erosions in the gastrointestinal tract and inflammatory cell infiltrates in spleen and sinusoids of the liver and sporadically in some other organs. These inflammatory cell infiltrates were likely secondary to cytokine-induced immune cell activation.

Pre-treatment with obinutuzumab resulted in the attenuation of cytokine release and related adverse effects by depleting B cells in peripheral blood and lymphoid tissue. This allowed at least 10 times higher doses of glofitamab (1 mg/kg) in cynomolgus monkeys resulting in a C_{max} of up to 5 times the human C_{max} at the recommended 30 mg dose.

All findings with glofitamab were considered pharmacologically mediated effects and reversible. Studies longer than 4 weeks were not performed, as glofitamab was highly immunogenic in cynomolgus monkeys and led to loss of exposure and loss of the pharmacologic effect.

6. PHARMACEUTICAL PARTICULARS

6.1 LIST OF EXCIPIENTS

Histidine
Histidine hydrochloride monohydrate
Methionine
Sucrose
Polysorbate 20
Water for injections

6.2 INCOMPATIBILITIES

Only 0.9% or 0.45% sodium chloride solution should be used to dilute Columvi, since other diluents have not been tested.

Columvi, when diluted with 0.9% sodium chloride solution, is compatible with intravenous infusion bags composed of polyvinyl chloride (PVC), polyethylene (PE), polypropylene (PP), or non-PVC polyolefin. When diluted with 0.45% sodium chloride solution, Columvi is compatible with intravenous infusion bags composed of PVC.

No incompatibilities have been observed with infusion sets with product-contacting surfaces of polyurethane (PUR), PVC, or PE, and in-line filter membranes composed of polyethersulfone (PES) or polysulfone. The use of in-line filter membranes is optional.

6.3 SHELF LIFE

24 months

6.4 SPECIAL PRECAUTIONS FOR STORAGE

Vials

Store at 2°C to 8°C.

Keep vial in the outer carton in order to protect from light.

Do not freeze. Do not shake.

Shelf life of diluted solution for intravenous infusion

The prepared infusion solution should be used immediately. If not used immediately, the infusion solution can be stored in the refrigerator at 2 °C to 8 °C for up to 72 hours and at 30 °C for up to 24 hours, if prepared under aseptic conditions, followed by a maximum infusion time of 8 hours.

6.5 NATURE AND CONTENTS OF CONTAINER

2.5 mL concentrate in a 6 mL vial (colourless Type I glass) with stopper (butyl rubber).

Pack size of 1 vial.

10 mL concentrate in a 15 mL vial (colourless Type I glass) with stopper (butyl rubber).

Pack size of 1 vial.

6.6 SPECIAL PRECAUTIONS FOR DISPOSAL AND OTHER HANDLING

Do not shake the vial.

Instructions for dilution

- Columvi contains no preservative and is intended for single use only.
- Columvi must be diluted by a healthcare professional using aseptic technique, prior to intravenous administration.
- Visually inspect the Columvi vial for particulate matter or discolouration prior to administration. Columvi is a colourless, clear solution. Discard the vial if the solution is cloudy, discoloured, or contains visible particles.
- Withdraw the required volume of 0.9% or 0.45% sodium chloride solution from the infusion bag (see Table 7) using a sterile needle and syringe and discard.
- Withdraw the required volume of Columvi concentrate for the intended dose from the vial using a sterile needle and syringe and dilute into the infusion bag (see Table 7). Discard any unused portion left in the vial.
- The final drug concentration after dilution must be 0.1 mg/mL to 0.6 mg/mL.
- Gently invert the infusion bag to mix the solution in order to avoid excessive foaming. Do not shake.
- Inspect the infusion bag for particulates and discard if present.
- Prior to the start of the intravenous infusion, the content of the infusion bag should be at room temperature.

Table 7 Dilution of Columvi for Infusion

Dose of Columvi to be administered	Size of 0.9% or 0.45% sodium chloride solution infusion bag	Volume of 0.9% or 0.45% sodium chloride solution to be withdrawn and discarded	Volume of Columvi concentrate to be added
2.5 mg	50 mL	27.5 mL	2.5 mL
	100 mL	77.5 mL	2.5 mL
10 mg	50 mL	10 mL	10 mL
	100 mL	10 mL	10 mL
30 mg	50 mL	30 mL	30 mL
	100 mL	30 mL	30 mL

Disposal

The release of pharmaceuticals in the environment should be minimised. Medicines should not be disposed of via wastewater, and disposal through household waste should be avoided.

7. MEDICINE SCHEDULE (POISONS STANDARD)

Prescription Only Medicine

8. SPONSOR

Roche Products (New Zealand) Limited
PO Box 109113 Newmarket
Auckland 1149
NEW ZEALAND
Medical enquiries: 0800 276 243

9. DATE OF FIRST APPROVAL

4 April 2024

10. DATE OF REVISION OF THE TEXT

4 April 2024

Summary of Changes Table

Section Changed	Summary of new information
All	New data sheet for glofitamab